

Notice of Allowability

Application No.

09/750,465

Examiner

Daniel Pan

Applicant(s)

GUEY ET AL.

Art Unit

2183

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 06/15/04.
2. ☒ The allowed claim(s) is/are 1-7.
3. ☒ The drawings filed on 15 June 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DANIEL H. PAN
PATENT EXAMINER
GROUP

Art Unit: 2183

Examiner's Amendment and Reasons for Allowance

Authorization for this examiner's amendment was given in a telephone interview with J. Huang on 08/20/04.

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

In the claims :

- a) claim 1, line 9, after "identification", replace
"number corresponds" by --numbers correspond--;
- b) claim 1, line 13, replace "can be" by --is--;
- c) claim 1, line 13, after "freely", replace "exchanged" by --exchangeable--;
- d) claim 2, line 3, replace "can be" by --is--;
- e) claim 2, line 3, after "freely", replace "exchanged" by --exchangeable--;
- f) claim 4, line 5, replace the first occurrence of "number" by --numbers--;
- g) claim 4, line 5, replace the third occurrence of "number" by --numbers--;
- h) claim 4, line 6, replace "corresponds" by --correspond--;
- i) claim 4, line 6, replace "position" by --positions--;
- j) claim 4, line 9, replace "can be exchanged" by --is exchangeable--.

None of the prior art of record teaches :

- a) the combined features of the adder for adding the N bit together to form the initial count value , the counter connected to adder for receiving and decreasing the count value by one after outputting the control signal, the generation of the plurality of register identification numbers equal in number to the initial count according to the control output signal, wherein the identification number corresponds to the bit position of the N decode information , and register list of plural registers to receive the register identification numbers for exchanging the stored data between the memory and registers.(claim 1)
- b) the combined features of the N bits together to form an initial count value, receiving of the initial count value and the generation of the plurality of register numbers identical in number of the initial count, the bit position of the N decode information corresponding to the register identification number , and the linking up of the plurality of registers that correspond to the register identification numbers and the memory on the register identification numbers to exchange data between memory and registers (claim 4);
- c) the adding of the N bits together to form the initial count value, the determination of the count value to zero, the sequential check of the N bit decode information for a bit value 1 to set the identification number of one of the plurality of registers, the setting of the bit from 1 to 0, the decreasing of the count by one, the repeating of the count until it is zero (claim 7).

Art Unit: 2183

Prior art on record

a) Higaki et al. (5,796,970) was cited for the teaching of the adding of the N bit to get an output count as set forth in claim 4 (e.g. see output column in col.7, lines 65-66).

However, the output count of Higaki was not an initial count value. Higaki failed to teach the combined features of the adding of N bits together to form an initial count value, receiving of the initial count value and the generation of the plurality of register numbers identical in number of the initial count, the bit position of the N decode information corresponding to the register identification number, and the linking up of the plurality of registers that correspond to the register identification numbers and the memory on the register identification numbers to exchange data between memory and registers;

b) Brown (3,634,658) and Mitsusuhira et al. (5,561,816) were used for the teaching of the adders for obtaining the count value (fig.3, 4 bit counter), and decrement of down counter to reach zero (fig.6 DC 131), respectively. However, none of the references showed the register numbers identical in number of the initial count, the bit position of the N decode information as claimed, nor the combined features of the adder for adding the N bit together to form the initial count value, the counter connected to adder for receiving and decreasing the count value by one after outputting the control signal, the generation of the plurality of register identification numbers equal in number to the initial count according to the control output signal, wherein the identification number corresponds to the bit position of the N decode information, and register list of plural

Art Unit: 2183

registers to receive the register identification numbers for exchanging the stored data between the memory and registers.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dan Pan whose telephone number is 703 305 9696.

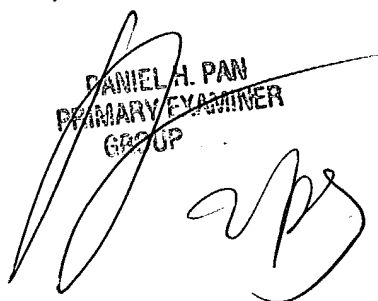
The examiner can normally be reached on M-F from 8:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chan, can be reached on 703 305 9712. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

21 Century Strategic Plan

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